

A. Galimi

1648

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/514,245

DATE: 09/14/2000  
TIME: 10:30:19

Input Set : A:\JESTIN.txt  
Output Set: N:\CRF3\09142000\I514245.raw

ENTERED

3 <110> APPLICANT: JESTIN, Andre  
4 ALBINA, Emanuel  
5 Le CANN, Pierre  
6 BLANCHARD, Phillipe  
7 HUTET, Evelyne  
8 ARNAULD, Claire  
9 TRUONG, Catherine  
10 MAHE, Dominique  
11 CARIOLET, Roland  
12 MADEC, Francois  
14 <120> TITLE OF INVENTION: CIRCOVIRUS SEQUENCES ASSOCIATED WITH PIGLET WEIGHT LOSS DISEASE (PWD)  
16 <130> FILE REFERENCE: 065691/0176  
18 <140> CURRENT APPLICATION NUMBER: US 09/514,245  
19 <141> CURRENT FILING DATE: 2000-02-28  
21 <150> PRIOR APPLICATION NUMBER: FR 97/15396  
22 <151> PRIOR FILING DATE: 1997-12-05  
24 <160> NUMBER OF SEQ ID NOS: 170  
26 <170> SOFTWARE: PatentIn version 3.0  
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198 gcc aag caa gaa aag cgg ccc gca acc cca taa gag gtg ggt gtt cac      96
199 Ala Lys Gln Glu Lys Arg Pro Ala Thr Pro      Glu Val Gly Val His
200          20          25          30
202 cct taataa tcc ttc cga gga gga gaa aaa caa aat acg gga gct tcc      144
203 Pro      Ser Phe Arg Gly Gly Glu Lys Gln Asn Thr Gly Ala Ser
204          35          40          45
206 aat ctc cct ttt tga tta ttt tgt ttg tgg cga gga agg ttt gga aga      192
207 Asn Leu Pro Phe      Leu Phe Cys Leu Trp Arg Gly Arg Phe Gly Arg
208          50          55          60
210 ggg tag aac tcc tca cct cca ggg gtt tgc gaa ttt tgc taa gaa gca      240
211 Gly      Asn Ser Ser Pro Pro Gly Val Cys Glu Phe Cys      Glu Ala
212          65          70
214 gac ttt taa caa ggt gaa gtg gta ttt tgg tgc ccg ctg cca cat cga      288
215 Asp Phe      Gln Gly Glu Val Val Phe Trp Cys Pro Leu Pro His Arg
216 75          80          85
218 gaa agc gaa agg aac cga cca gca gaa taa aga ata ctg cag taa aga      336
219 Glu Ser Glu Arg Asn Arg Pro Ala Glu      Arg Ile Leu Gln      Arg
220 90          95          100
222 agg cca cat act tat cga gtg tgg agc tcc gcg gaa cca ggg gaa gcg      384
223 Arg Pro His Thr Tyr Arg Val Trp Ser Ser Ala Glu Pro Gly Glu Ala
224 105          110          115
226 cag cga cct gtc tac tgc tgt gag tac cct ttt gga gac ggg gtc ttt      432
227 Gln Arg Pro Val Tyr Cys Cys Glu Tyr Pro Phe Gly Asp Gly Val Phe
228 120          125          130          135
230 ggt gac tgt agc cga gca gtt tcc tgt aac gta tgt gag aaa ttt ccg      480
231 Gly Asp Cys Ser Arg Ala Val Ser Cys Asn Val Cys Glu Lys Phe Pro
232          140          145          150
234 cgg gct ggc tga act ttt gaa agt gag cgg gaa gat gca gaa gcg tga      528
235 Arg Ala Gly      Thr Phe Glu Ser Glu Arg Glu Asp Ala Glu Ala
236          155          160          165
238 ttg gaa gac agc tgt aca cgt cat agt ggg ccc gcc cgg ttg tgg gaa      576
239 Leu Glu Asp Ser Cys Thr Arg His Ser Gly Pro Ala Arg Leu Trp Glu
240          170          175          180
242 gag cca gtg ggc ccg taa ttt tgc tga gcc tag gga cac cta ctg gaa      624
243 Glu Pro Val Gly Pro      Phe Cys      Ala      Gly His Leu Leu Glu
244          185          190
246 gcc tagtag aaa taa gtg gtg gga tgg ata tca tgg aga aga agt tgt      672
247 Ala      Lys      Val Val Gly Trp Ile Ser Trp Arg Arg Ser Cys
248 195          200          205
250 tgt ttt gga tga ttt tta tgg ctg gtt acc ttg gga tga tct act gag      720
251 Cys Phe Gly      Phe Leu Trp Leu Val Thr Leu Gly      Ser Thr Glu
252          210          215          220
254 act gtg tga ccg gta tcc att gac tgt aga gac taa agg ggg tac tgt      768
255 Thr Val      Pro Val Ser Ile Asp Cys Arg Asp      Arg Gly Tyr Cys
256          225          230          235
258 tcc ttt ttt ggc ccg cag tat ttt gat tac cag caa tca ggc ccc cca      816
259 Ser Phe Phe Gly Pro Gln Tyr Phe Asp Tyr Gln Gln Ser Gly Pro Pro
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| 262 | gga atg gta ctc ctc aac tgc tgt ccc agc tgt aga agc tct cta tcg | 864  |
| 263 | Gly Met Val Leu Leu Asn Cys Cys Pro Ser Cys Arg Ser Ser Leu Ser |      |
| 264 | 255 260 265                                                     |      |
| 266 | gag gat tac tac ttt gca att ttg gaa gac tgc tgg aga aca atc cac | 912  |
| 267 | Glu Asp Tyr Tyr Phe Ala Ile Leu Glu Asp Cys Trp Arg Thr Ile His |      |
| 268 | 270 275 280                                                     |      |
| 270 | gga ggt acc cga agg ccg att tga agc agt gga ccc acc ctg tgc cct | 960  |
| 271 | Gly Gly Thr Arg Arg Pro Ile Ser Ser Gly Pro Thr Leu Cys Pro     |      |
| 272 | 285 290 295                                                     |      |
| 274 | ttt ccc ata taa aat aaa tta ctg agt ctt ttt tgt tat cac atc gta | 1008 |
| 275 | Phe Pro Ile Asn Lys Leu Leu Ser Leu Phe Cys Tyr His Ile Val     |      |
| 276 | 300 305 310                                                     |      |
| 278 | atg gtt ttt att ttt att cat tta gag ggt ctt tca gga taa att ctc | 1056 |
| 279 | Met Val Phe Ile Phe Ile His Leu Glu Gly Leu Ser Gly Ile Leu     |      |
| 280 | 315 320 325                                                     |      |
| 282 | tga att gta cat aaa tag tca acc tta cca cat aat ttt ggg ctg tgg | 1104 |
| 283 | Ile Val His Lys Ser Thr Leu Pro His Asn Phe Gly Leu Trp         |      |
| 284 | 330 335 340                                                     |      |
| 286 | ttg cat ttt gga gcg cat agc cca ggc ctg tgt gct cga cat tgg tgt | 1152 |
| 287 | Leu His Phe Gly Ala His Ser Pro Gly Leu Cys Ala Arg His Trp Cys |      |
| 288 | 345 350 355                                                     |      |
| 290 | ggg tat tta aat gga gcc aca gct ggt ttc ttt tat tat ttg gct gga | 1200 |
| 291 | Gly Tyr Leu Asn Gly Ala Thr Ala Gly Phe Phe Tyr Tyr Leu Ala Gly |      |
| 292 | 360 365 370                                                     |      |
| 294 | acc aat caa ttg ttt ggt cta gct ctg gtt tgg ggg tga agt acc tgg | 1248 |
| 295 | Thr Asn Gln Leu Phe Gly Leu Ala Leu Val Trp Gly Ser Thr Trp     |      |
| 296 | 375 380 385                                                     |      |
| 298 | agt ggt agg taa agg gct gcc tta tgg tgt ggc ggg agg agt agt taa | 1296 |
| 299 | Ser Gly Arg Arg Ala Ala Leu Trp Cys Gly Gly Arg Ser Ser         |      |
| 300 | 390 395 400                                                     |      |
| 302 | tat agg ggt cat agg cca agt tgg tgg agg ggg tta caa agt tgg cat | 1344 |
| 303 | Tyr Arg Gly His Arg Pro Ser Trp Trp Arg Gly Leu Gln Ser Trp His |      |
| 304 | 405 410 415                                                     |      |
| 306 | cca aga taa caa cag tgg acc caa cac ctc ttt gat tag agg tga tgg | 1392 |
| 307 | Pro Arg Gln Gln Trp Thr Gln His Leu Phe Asp Arg Trp             |      |
| 308 | 420 425 430                                                     |      |
| 310 | ggt ctc tgg ggt aaa att cat att tag cct ttc taa tac ggt agt att | 1440 |
| 311 | Gly Leu Trp Gly Lys Ile His Ile Pro Phe Tyr Gly Ser Ile         |      |
| 312 | 435 440 445                                                     |      |
| 314 | gga aag gta ggg gta ggg ggt tgg tgc cgc ctg agg ggg gga gga act | 1488 |
| 315 | Gly Lys Val Gly Val Gly Gly Trp Cys Arg Leu Arg Gly Gly Gly Thr |      |
| 316 | 450 455 460                                                     |      |
| 318 | ggc cga tgt tga atc tca gct cgt taa cat tcc aag atg gct gcg agt | 1536 |
| 319 | Gly Arg Cys Ile Ser Ala Arg His Ser Lys Met Ala Ala Ser         |      |
| 320 | 465 470 475                                                     |      |
| 322 | gtc ctc ctc tta tgg tga gta caa att ctc tag aaa ggc ggg aat tga | 1584 |
| 323 | Val Leu Leu Leu Trp Val Gln Ile Leu Lys Gly Gly Asn             |      |
| 324 | 480 485                                                         |      |
| 326 | aga tac ccg tct ttc ggc gcc atc tgt aac ggt ttc tga agg cgg ggt | 1632 |

VERIFICATION SUMMARY

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